WHAT IS CLAIMED IS:

1. An untapered pinhole disk laminate comprising a multiple of superposed pinhole disks which are bonded or welded together with the positions of the respective center pinholes kept in alignment, thereby forming an untapered hole through the center of the pinhole disk laminate.

2. The pinhole disk laminate according to claim 1, the thickness of which is adjustable by changing the number of the superposed pinhole disks.

3. A process for producing a pinhole disk laminate which comprises the steps of superposing a plurality of pinhole disks, allowing a wire, a fiber, a pin or light to pass through the center pinholes so that the positions of the respective pinholes are brought into alignment, said wire or fiber or pin, and bonding or welding the superposed pinhole disks together with the positions of their pinholes kept in alignment.

4. The process according to claim 3, wherein said wire or fiber or pin is used with a microscope or said light is received by a photodetector.